CLAIMS

1. A hermetic compressor having a sealed housing storing therein lubricating oil and receiving therein a motor element and a compression element driven by said motor element, said compression element comprising a shaft having an eccentric shaft portion, and an auxiliary shaft portion and a main shaft portion coaxially provided on upper and lower sides of said eccentric shaft portion so as to sandwich it therebetween, a cylinder block provided with a compression chamber of a substantially cylindrical shape, a main bearing fixed to or formed integral with said cylinder block so as to be substantially perpendicular to an axis of said compression chamber and supporting an upper half portion of said main shaft portion of said shaft, an auxiliary bearing fixed to or formed integral with said cylinder block and supporting said auxiliary shaft portion, a piston that performs reciprocating motion in said compression chamber, and connecting means for coupling said piston and said eccentric shaft together, wherein said shaft is provided with an oil feed mechanism having a lower end communicating with said lubricating oil and an upper end penetratingly open to an upper

end portion of said auxiliary shaft portion, and at least one of said auxiliary bearing and said cylinder block is provided with an oil feed passage for conducting the lubricating oil discharged from the upper end of said oil feed mechanism, to a sliding surface of said piston.

2. A hermetic compressor according to claim 1, wherein an oil pool for storing said lubricating oil is concavely formed in said oil feed passage on an upper surface of said auxiliary bearing.

3. A hermetic compressor according to claim 1, wherein an oil dispersion hole communicating with said oil feed mechanism is formed in a substantially horizontal direction at a portion of said auxiliary shaft portion above an upper surface of said auxiliary bearing.

4. A hermetic compressor according to claim 1, wherein an oil fence projecting upward is provided on an upper surface of said auxiliary bearing in the vicinity of said oil feed passage.

5. A hermetic compressor according to claim 1, wherein an opening portion is provided, said

passage.

9. A hermetic compressor according to claim 1, wherein a substantially annular oil feed groove communicating with said oil feed passage in the vicinity of a bottom dead center of said piston is concavely formed on an outer periphery of said piston.

10. A hermetic compressor according to claim 1, wherein an oil bath communicating with sliding surfaces between said auxiliary shaft portion and said auxiliary bearing is formed around said auxiliary shaft portion.

11. A hermetic compressor according to claim 10, wherein an oil feed hole is formed on said auxiliary shaft portion, said oil feed hole establishing communication between said oil bath and said oil feed mechanism and having a bottom surface located above a bottom surface of said oil bath.

12. A hermetic compressor according to claim 1, wherein a portion of said oil feed passage is formed in said auxiliary bearing, and an oil feed

hole establishing communication between said oil feed passage and said oil feed mechanism at least once during one rotation of said shaft is formed in said auxiliary shaft portion.

13. A hermetic compressor according to claim 1, wherein an oil fence projecting upward is provided on a surface of said cylinder block above the compression chamber, and said oil feed passage is formed in the surface of said cylinder block above said compression chamber.

14. A hermetic compressor according to claim 1, which is inverter-driven at a plurality of operating frequencies including at least an operating frequency lower than a power supply frequency.

15. A hermetic compressor according to claim 14, wherein said operating frequency lower than said power supply frequency includes at least an operating frequency lower than 30Hz.